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SEA BASED BATTLE LAB...

A UNIQUE OPPORTUNITY



COMTHIRDELT

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NSSDF 2 April 1998

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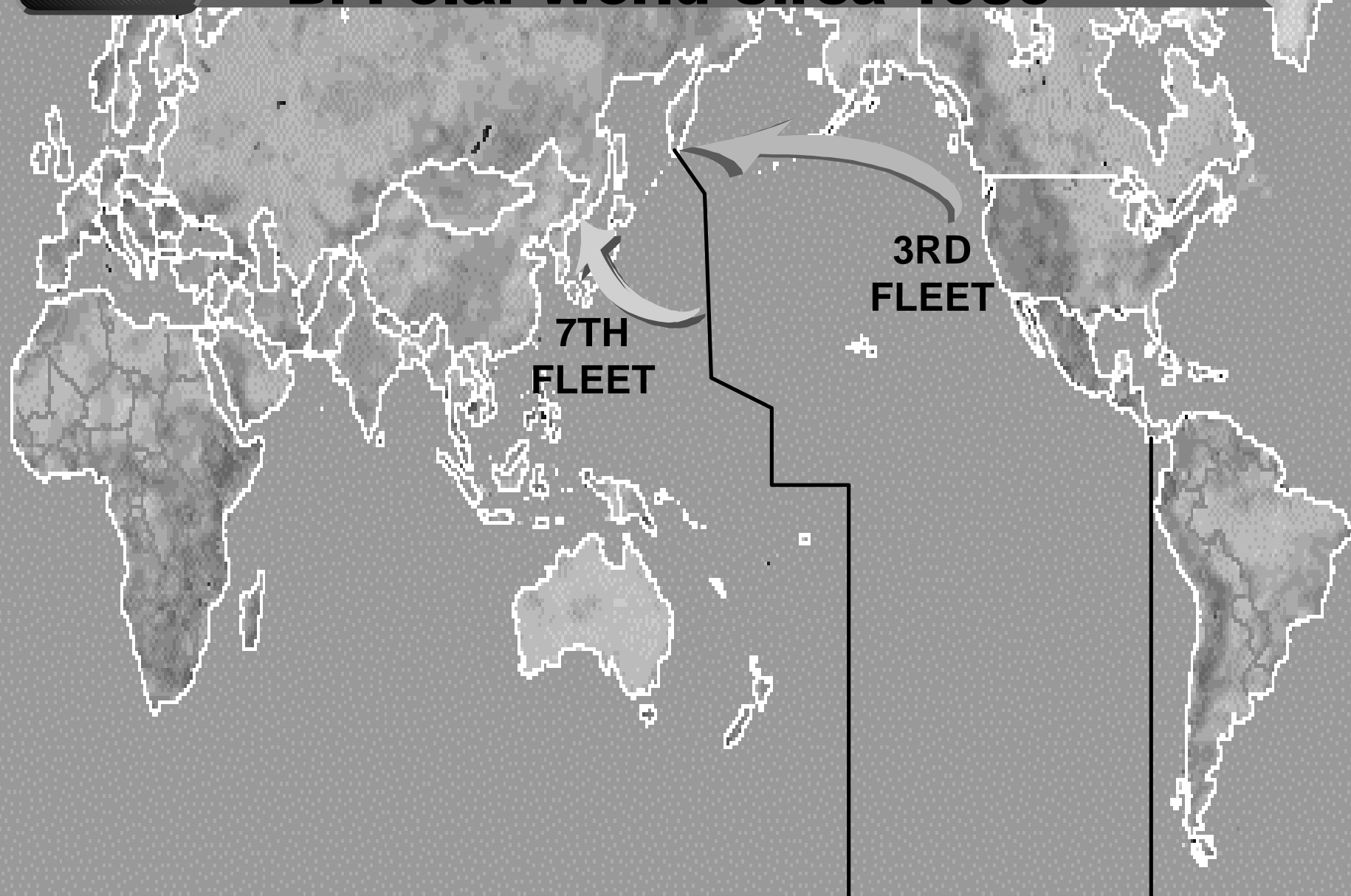
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Maritime Strategy

Bi-Polar World Circa 1986





PACOM Force Distribution

US ARMY ALASKA

11TH AF

3TFS

PERSONNEL:

U.S. 200,200

FORWARD
DEPLOYED /
BASED 113,400

TOTAL 313,600

I CORPS

3RD BDE, 2ID
9TH INF REG

I MEF

3RD FLEET

5 CVTG'S
5 ATG'S
(69 SHIPS)

7TH AF

5 TFS

5TH AF

3 TFS

7TH FLEET

1CVTG

1 ATG

(16 SHIPS)

8TH ARMY

2ND ID

III MEF

3 TFS

25TH INF DIV (LIGHT)

1 TFS

14 SHIPS

13TH AF

MPSRON 3

CTF 73

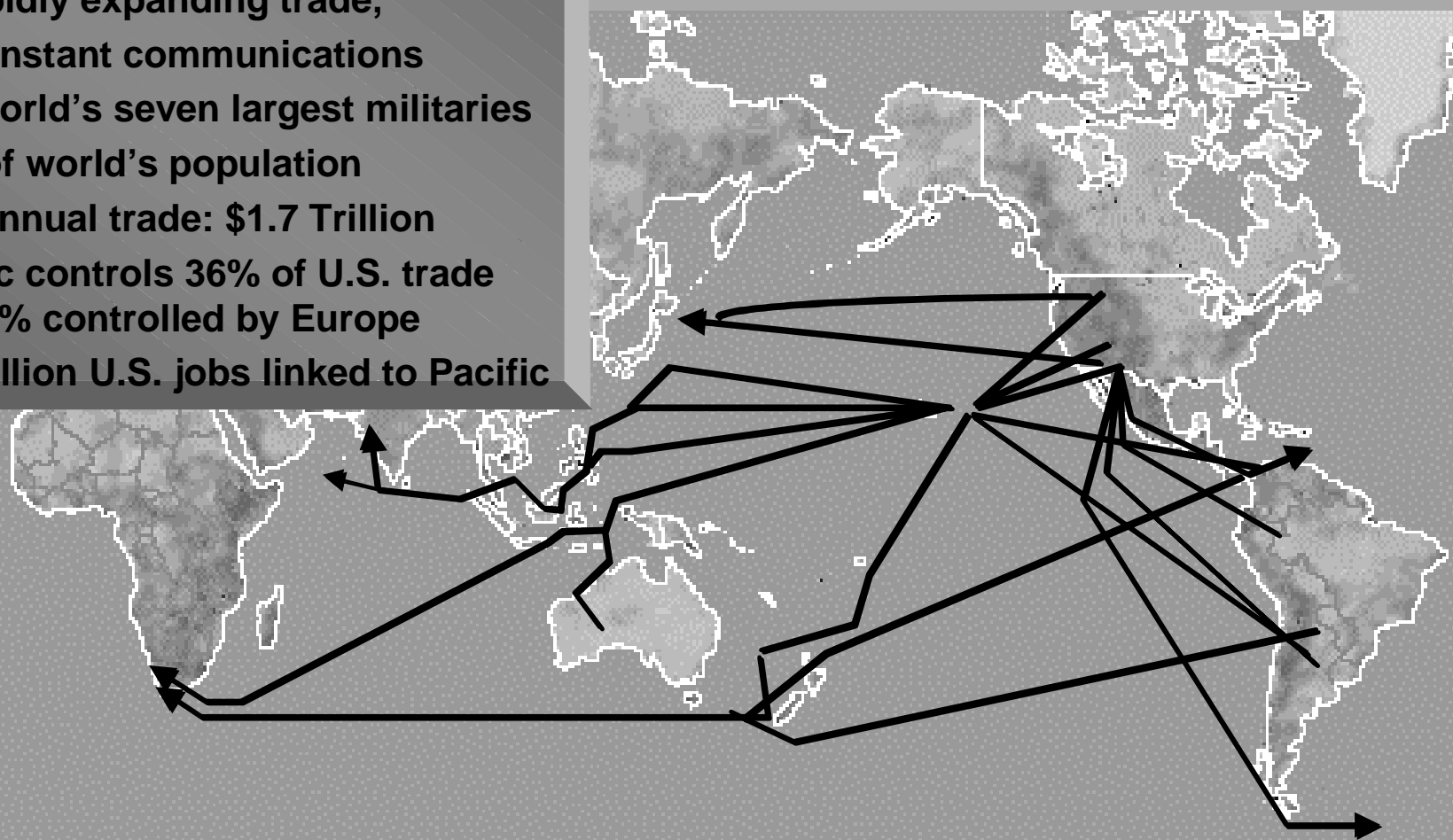


Sea Lines Of Communication

Pacific Basin

Region of dynamic growth,
rapidly expanding trade,
instant communications

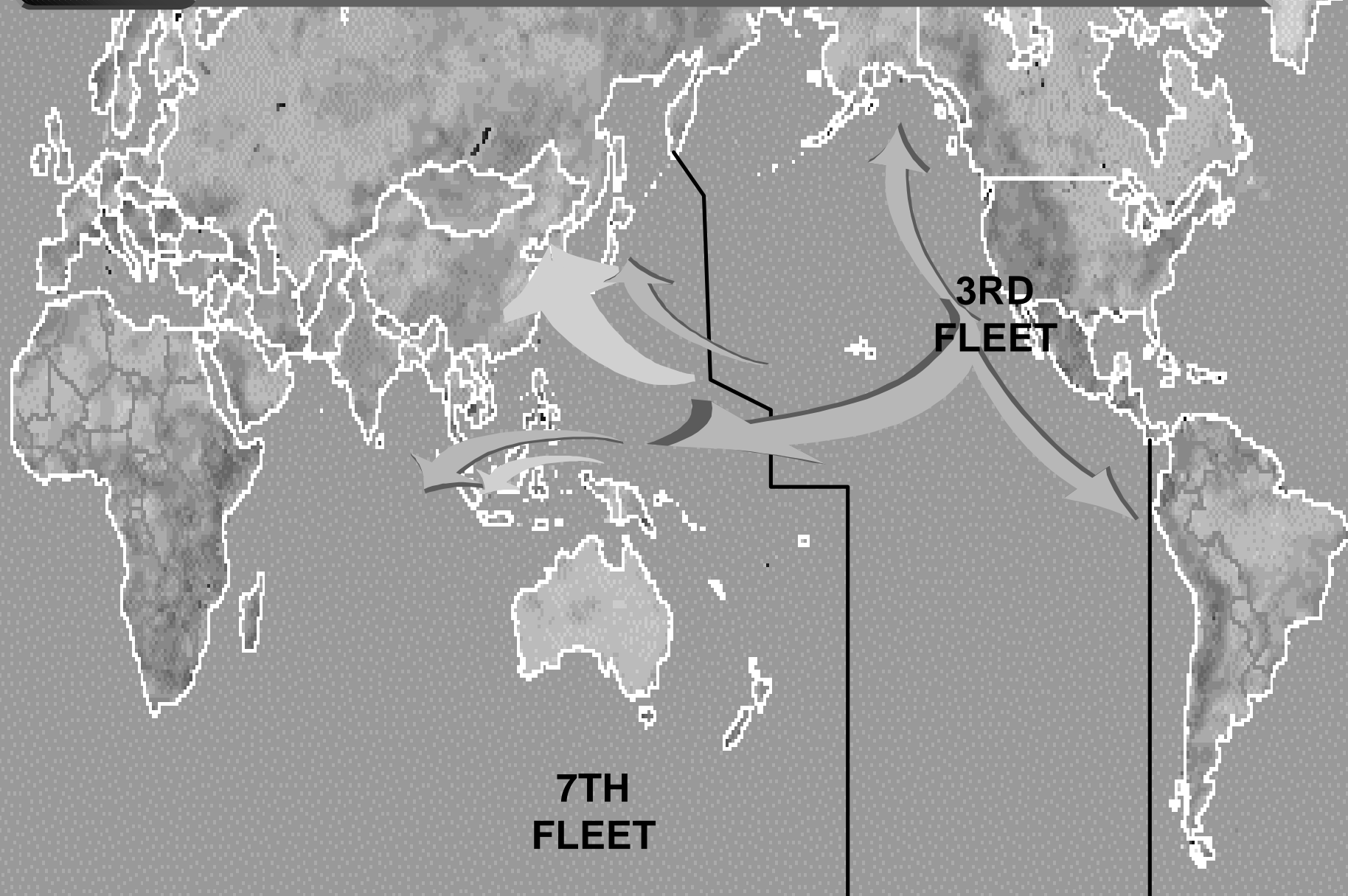
- ★ The world's seven largest militaries
- ★ 60% of world's population
- ★ U.S. annual trade: \$1.7 Trillion
- ★ Pacific controls 36% of U.S. trade
vs 20% controlled by Europe
- ★ 2.5 million U.S. jobs linked to Pacific





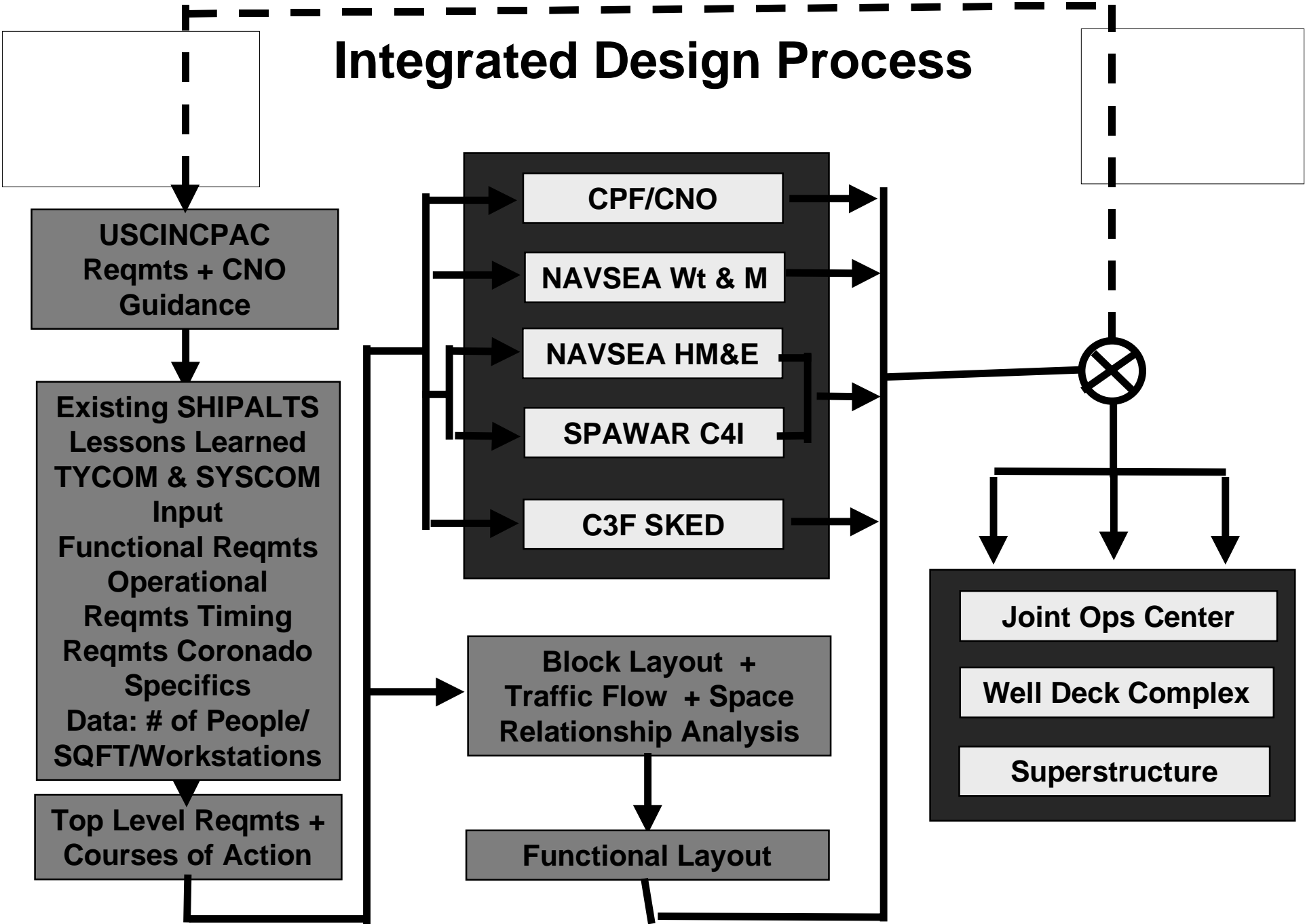
Pacific Basin Strategy

Multi-Polar World 1996

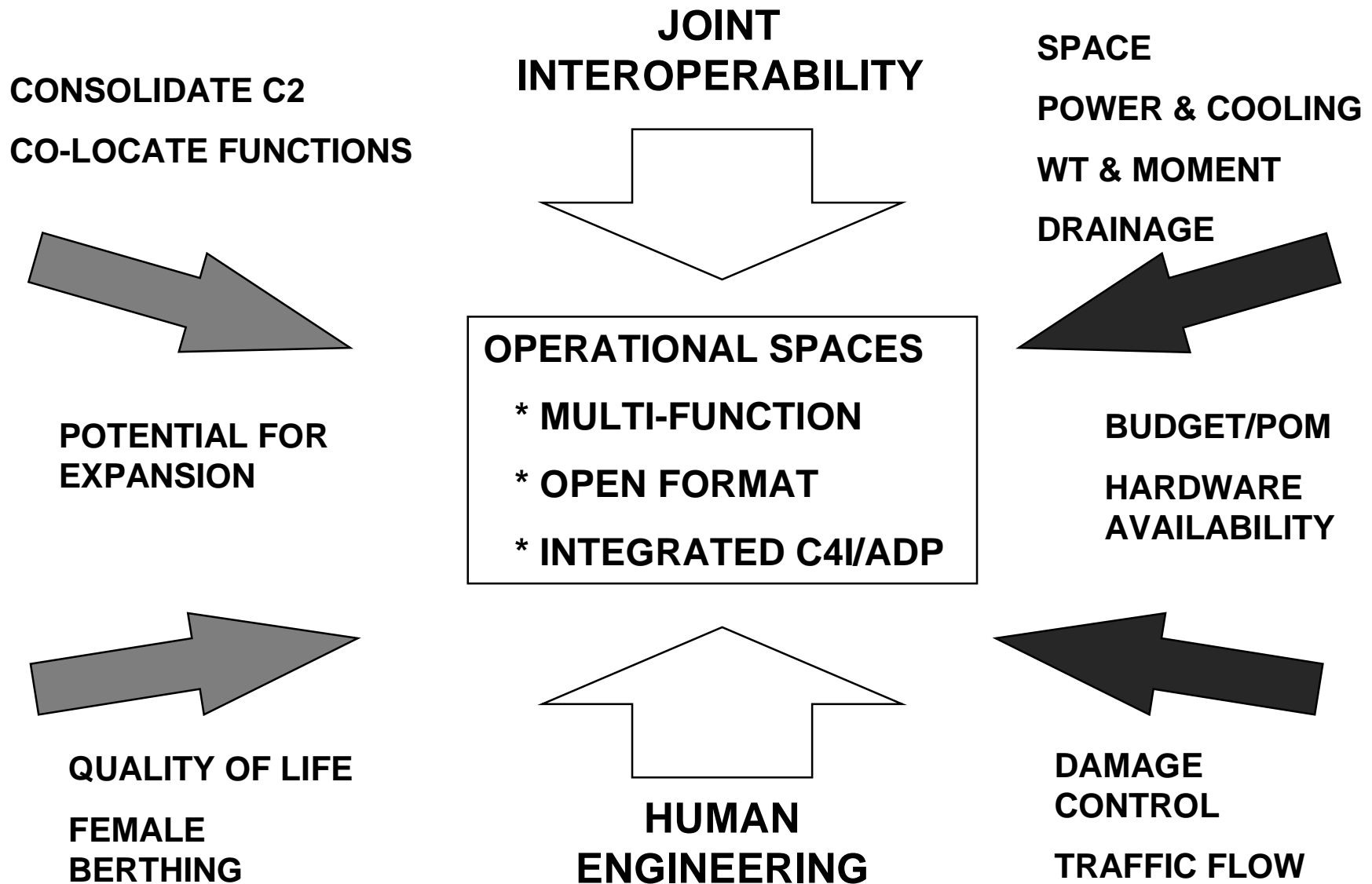


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graph TD
    A[USCINCPAC Reqmts + CNO Guidance] --> B[Existing SHIPALTS Lessons Learned TYCOM & SYSCOM Input Functional Reqmts Operational Reqmts Timing Reqmts Coronado Specifics Data: # of People/SQFT/Workstations]
    B --> C[Top Level Reqmts + Courses of Action]
    C --> D[CPF/CNO]
    C --> E[NAVSEA Wt & M]
    C --> F[NAVSEA HM&E]
    C --> G[SPAWAR C4I]
    C --> H[C3F SKED]
    D --> I[Block Layout + Traffic Flow + Space Relationship Analysis]
    E --> I
    F --> I
    G --> I
    H --> I
    I --> J[Functional Layout]
    J --> K[Joint Ops Center]
    J --> L[Well Deck Complex]
    J --> M[Superstructure]
    K --> N[Joint Ops Center]
    L --> N
    M --> N
    N --> O[Well Deck Complex]
    O --> P[Superstructure]
    P --> Q[Well Deck Complex]
    Q --> R[Joint Ops Center]
    R --> S[Well Deck Complex]
    S --> T[Superstructure]
    T --> U[Well Deck Complex]
    U --> V[Joint Ops Center]
    V --> W[Well Deck Complex]
    W --> X[Superstructure]
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    C1
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Campaign Center of Gravity



Operational Employment of Sea-Based Joint Task Forces

Capabilities Packages

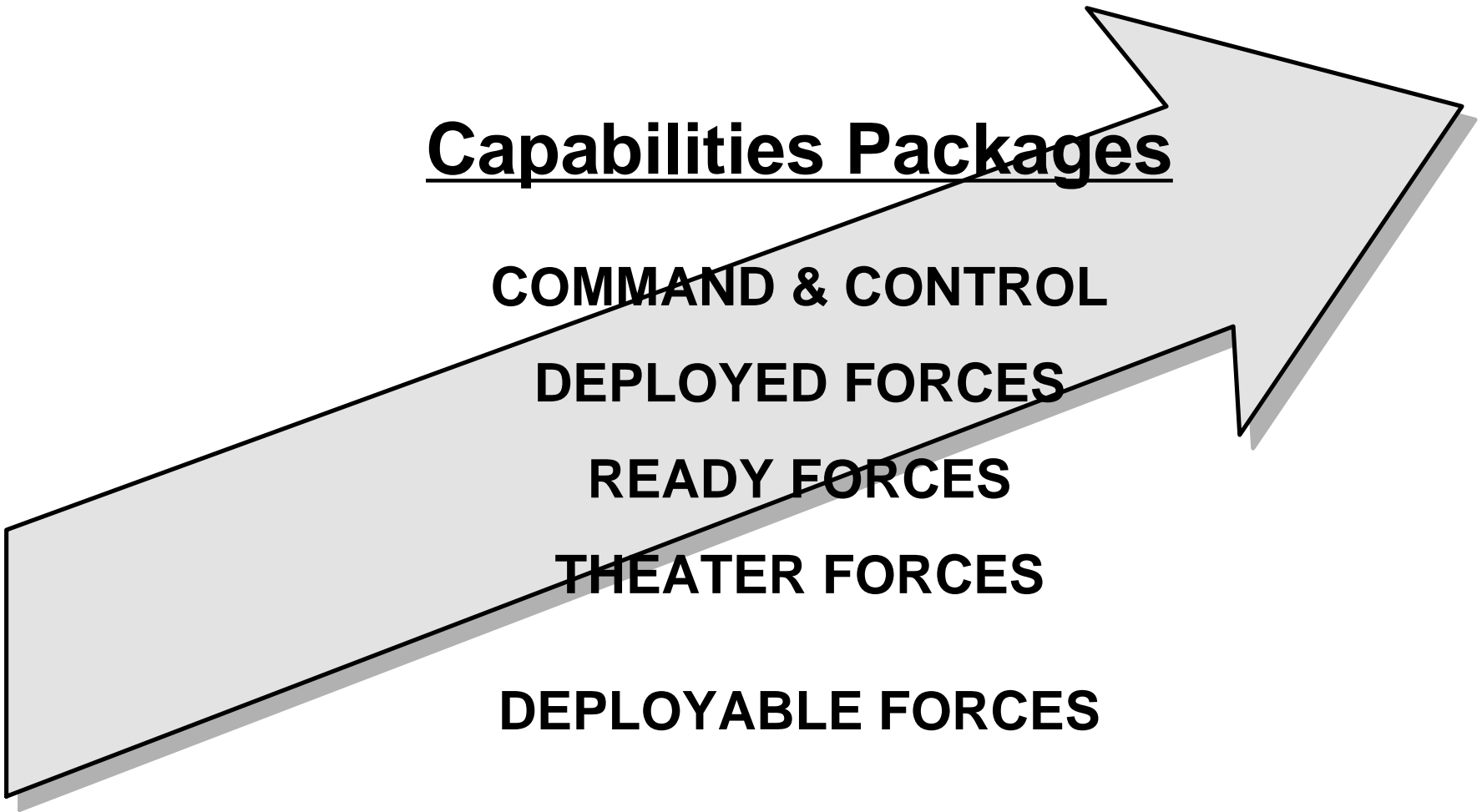
COMMAND & CONTROL

DEPLOYED FORCES

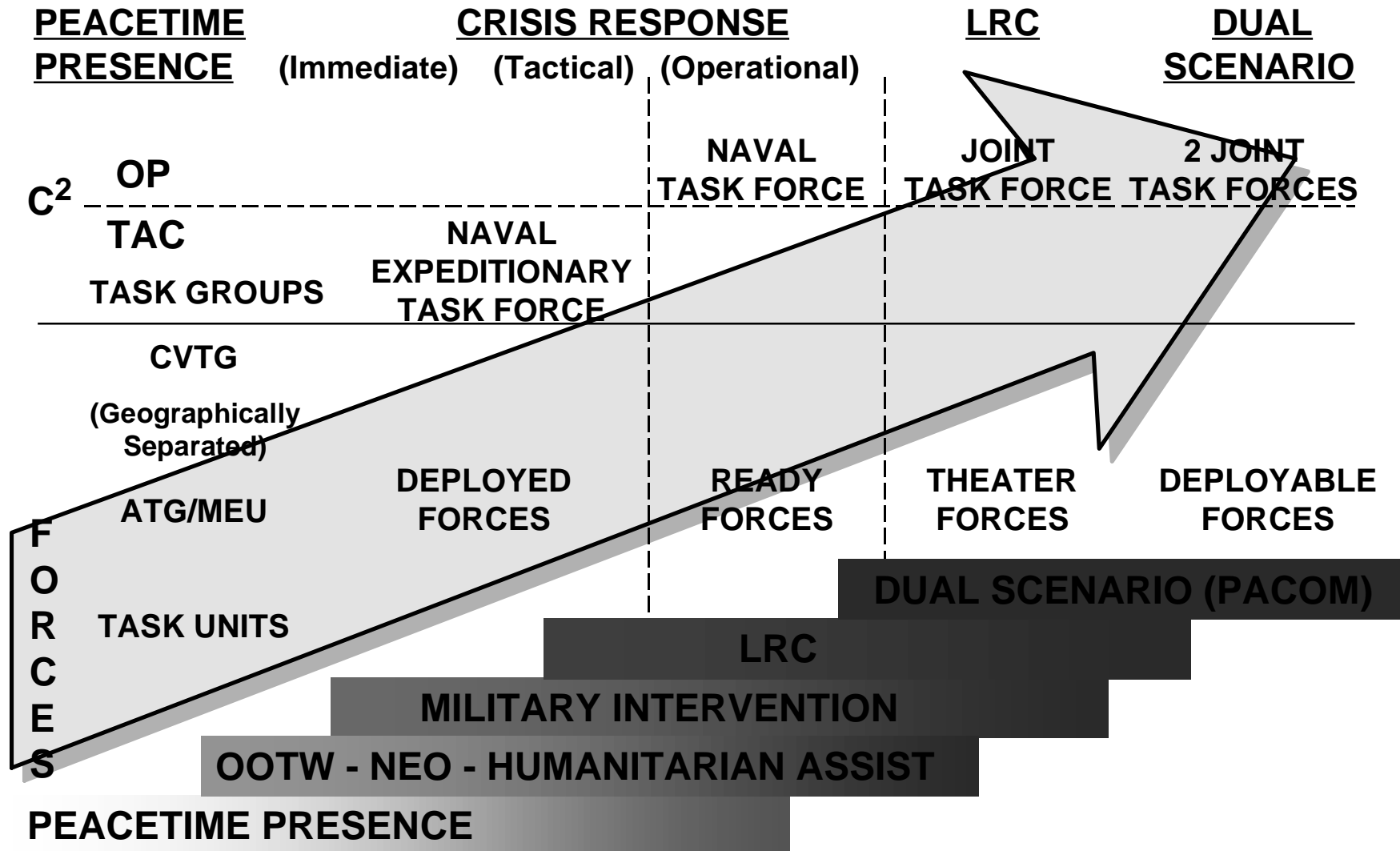
READY FORCES

THEATER FORCES

DEPLOYABLE FORCES



Operational Employment of Sea-Based Joint Task Forces



Operational Employment of Sea-Based Joint Task Forces

<u>PEACETIME PRESENCE</u>		<u>CRISIS RESPONSE</u>		<u>LRC</u>	<u>DUAL SCENARIO</u>
	(Immediate)	(Tactical)	(Operational)		
C²	OP TAC			JOINT TASK FORCE JFACC(SEA)	2 CJTF (or NCC in MRC) JFACC(SEA)
	TASK GROUPS	NAVAL EXPEDITIONARY TASK FORCE JFACC(E)	NAVAL TASK FORCE JFACC(SEA)	NAVFOR	DJFACC(ASHORE) 2 NAVFOR
	CVTG (Geographically Separated) ATG/MEU	CVTG ATG/MEU	JCC	JCC	2 JCC
	TASK UNITS		2-3 CVTG ATF/MEF FWD	2-3 CVTG ATF/MEF	3-5 CVTG 2 ATF/MEF
FORCES		THEATER SSN's VP's	THEATER SSN's VP's/ IUSS	THEATER C4ISR	THEATER C4ISR
			SEALS/RECON SOF AFLOAT PRE-POSITIONING FORCES	USAF WING	2-3 USAF WINGS
				USA DIVISION	1-2 USA CORPS
					JFACC ASHORE

Operational Employment of Sea-Based Joint Task Forces

★ Sea-Based, Mobile Forces

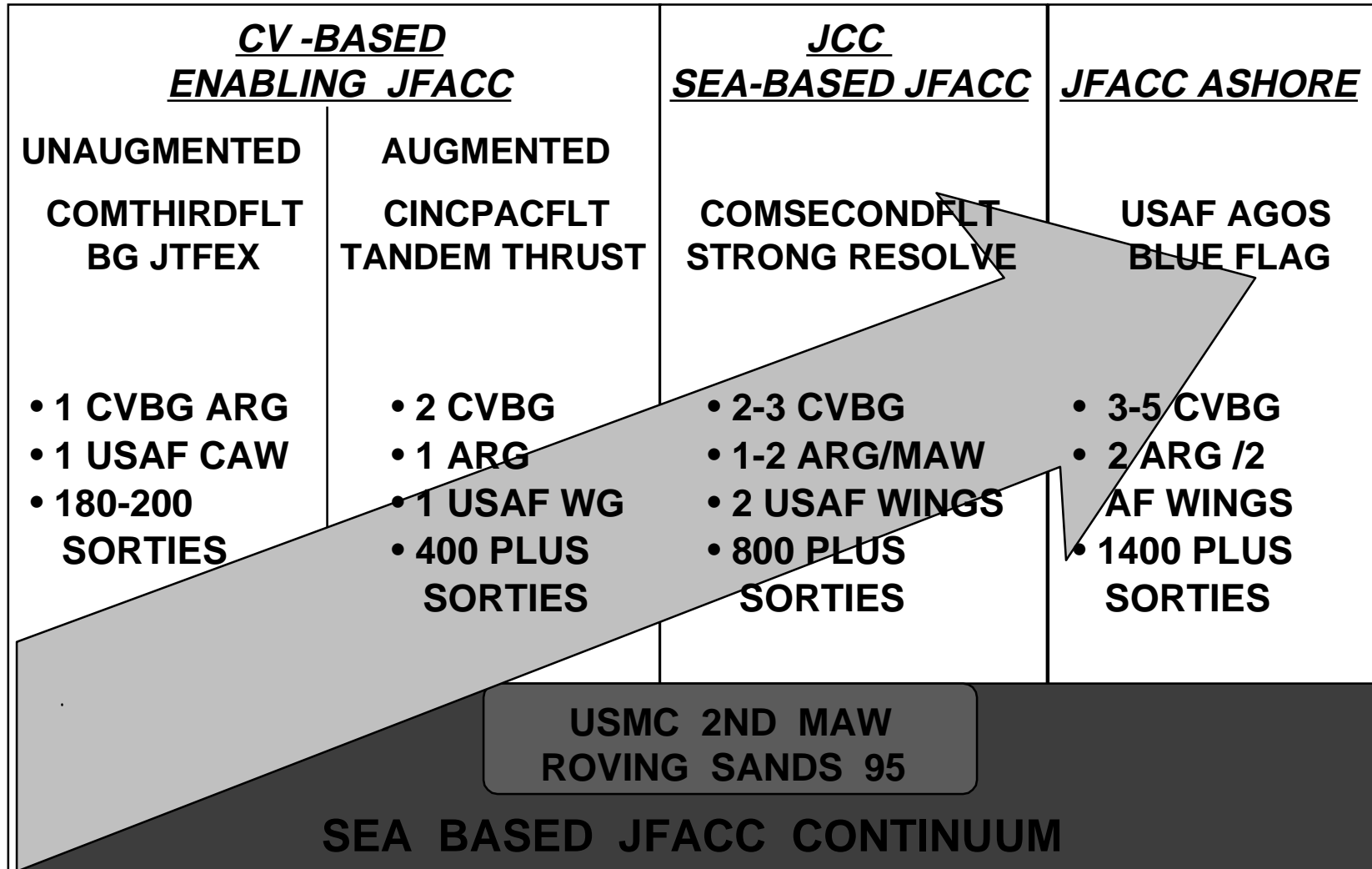
WILL MOST LIKELY BE THE FIRST ON-STATION
FOR MILITARY RESPONSE OR DISASTER RELIEF.

★ Naval Command & Control Packages

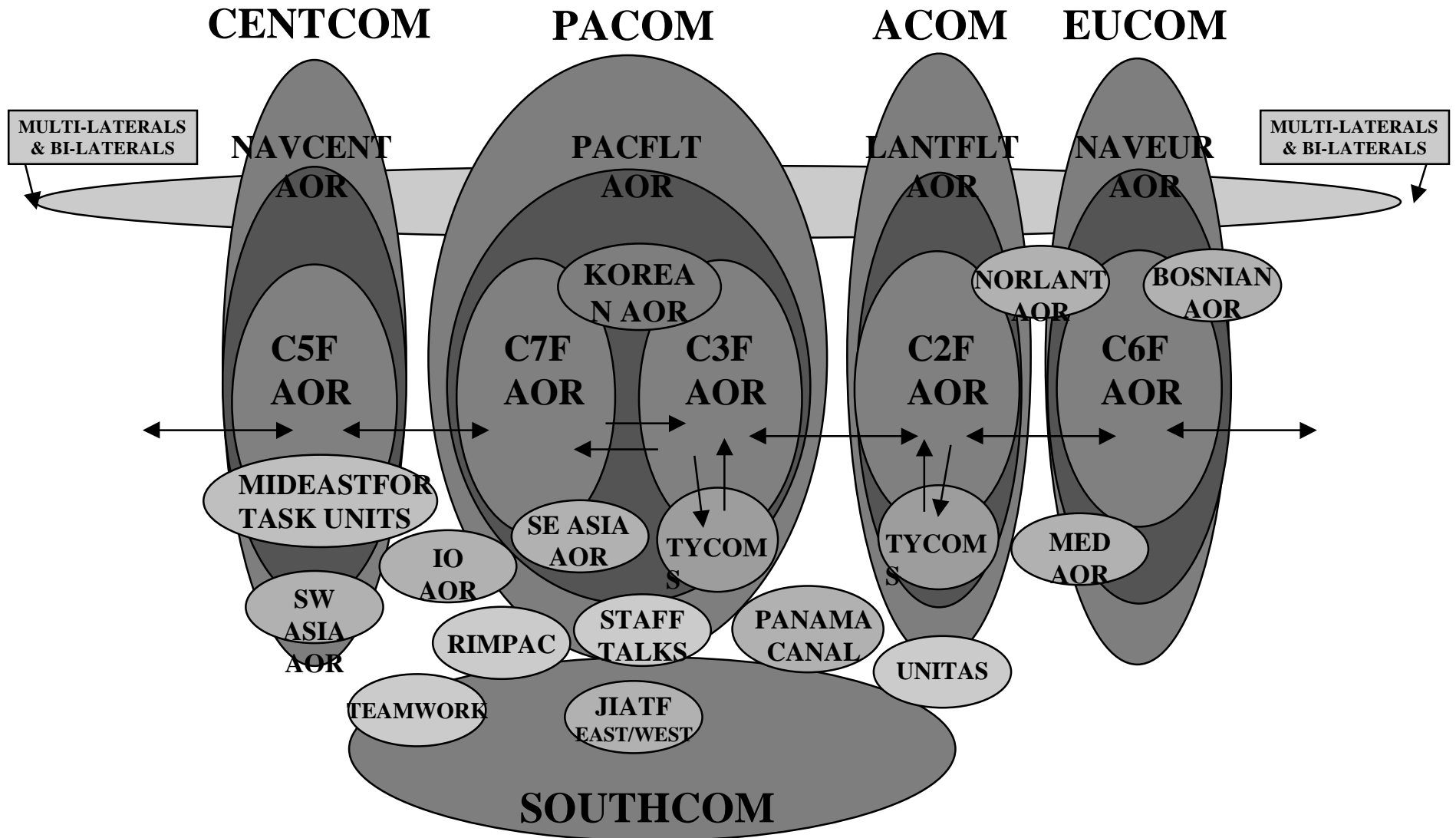
AND FORCE PACKAGES MUST BE OPTIMIZED
TO SUPPORT JOINT TASK FORCE OPERATIONS.

Operational Employment of Sea-Based Joint Task Forces

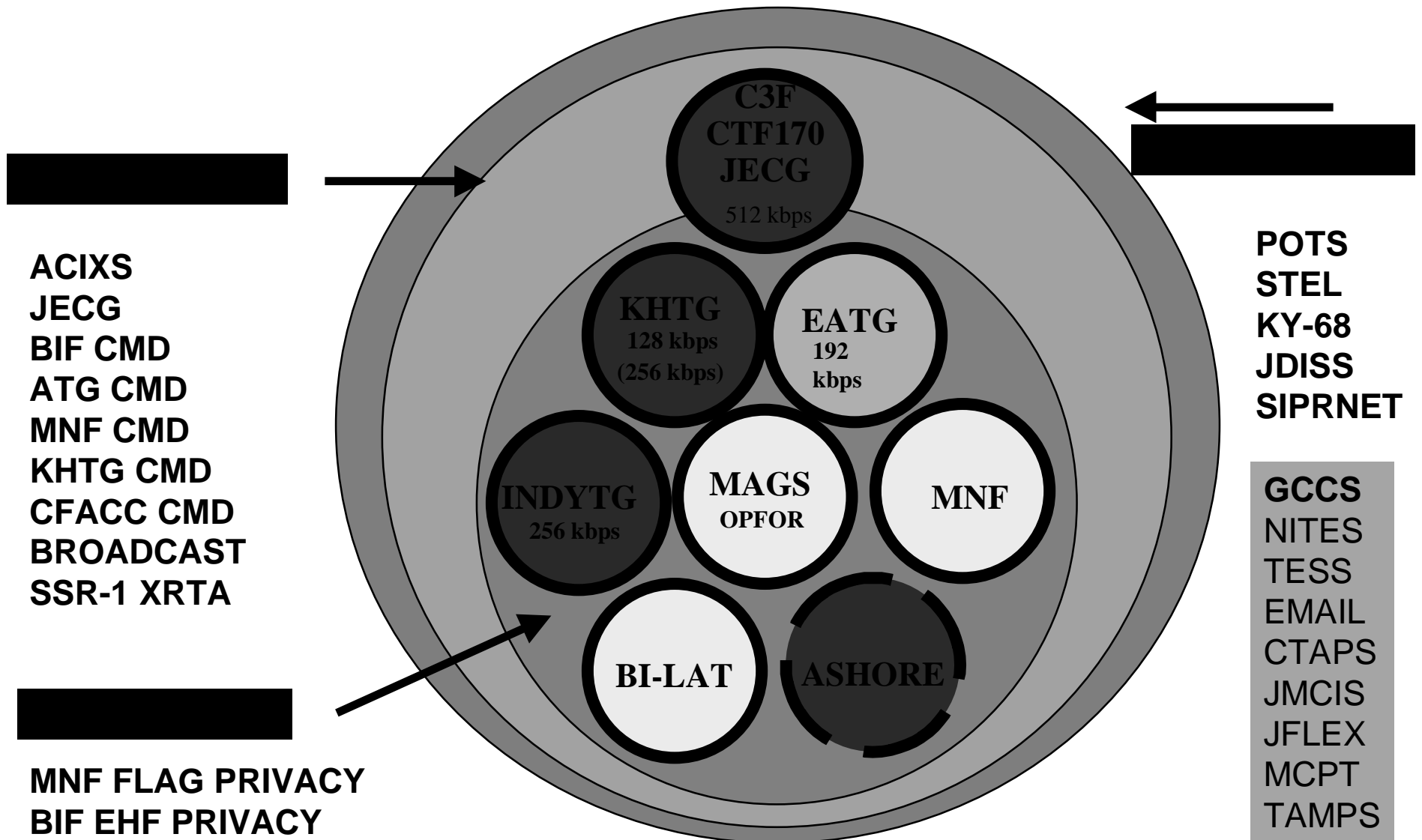
“Seamless Application of Joint Air Power”



Operational Employment of Sea-Based Joint Task Forces

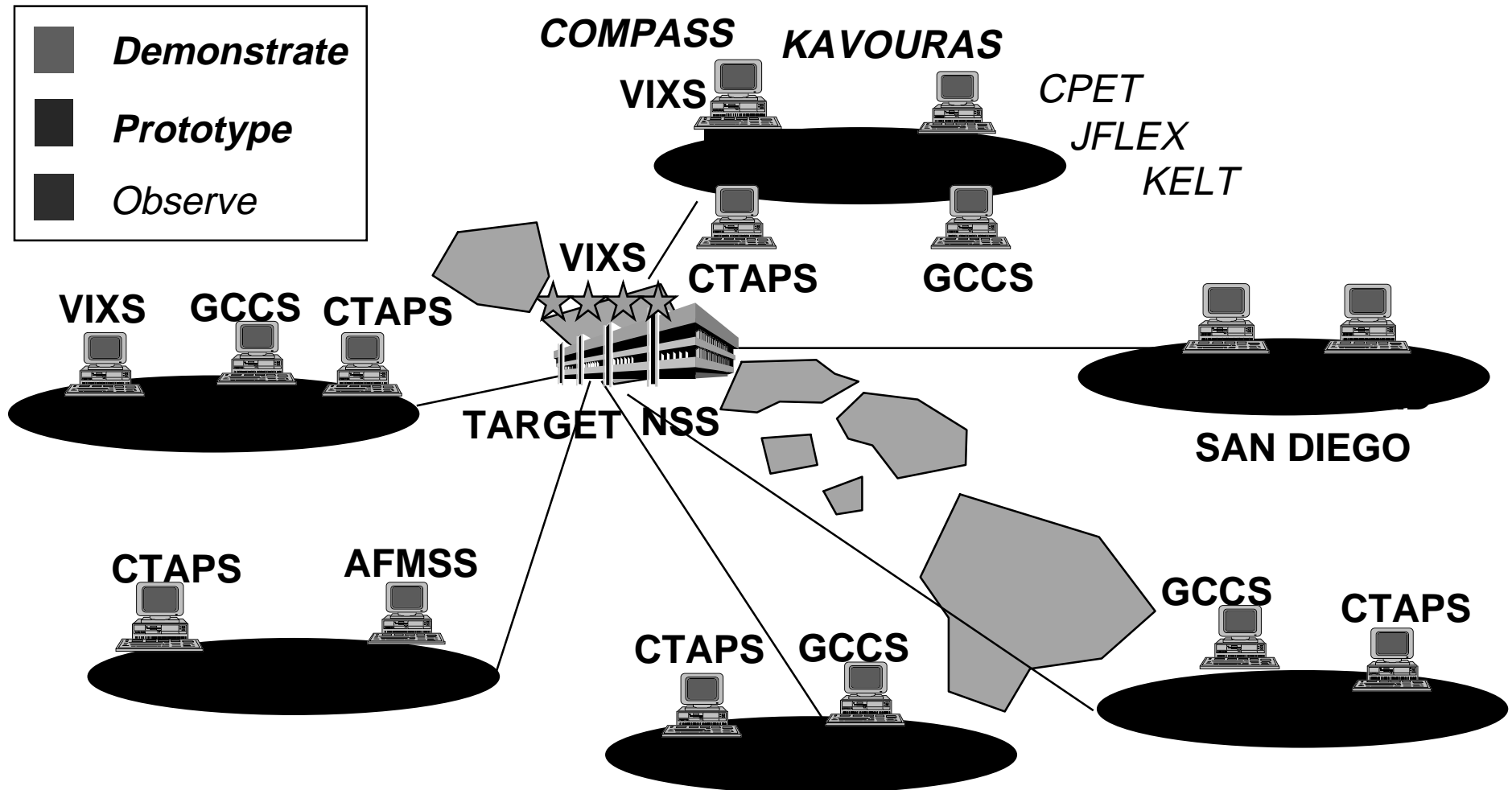


Operational Employment of Sea-Based Joint Task Forces



Sea-Based Battle Lab Rapid Prototyping

JTF



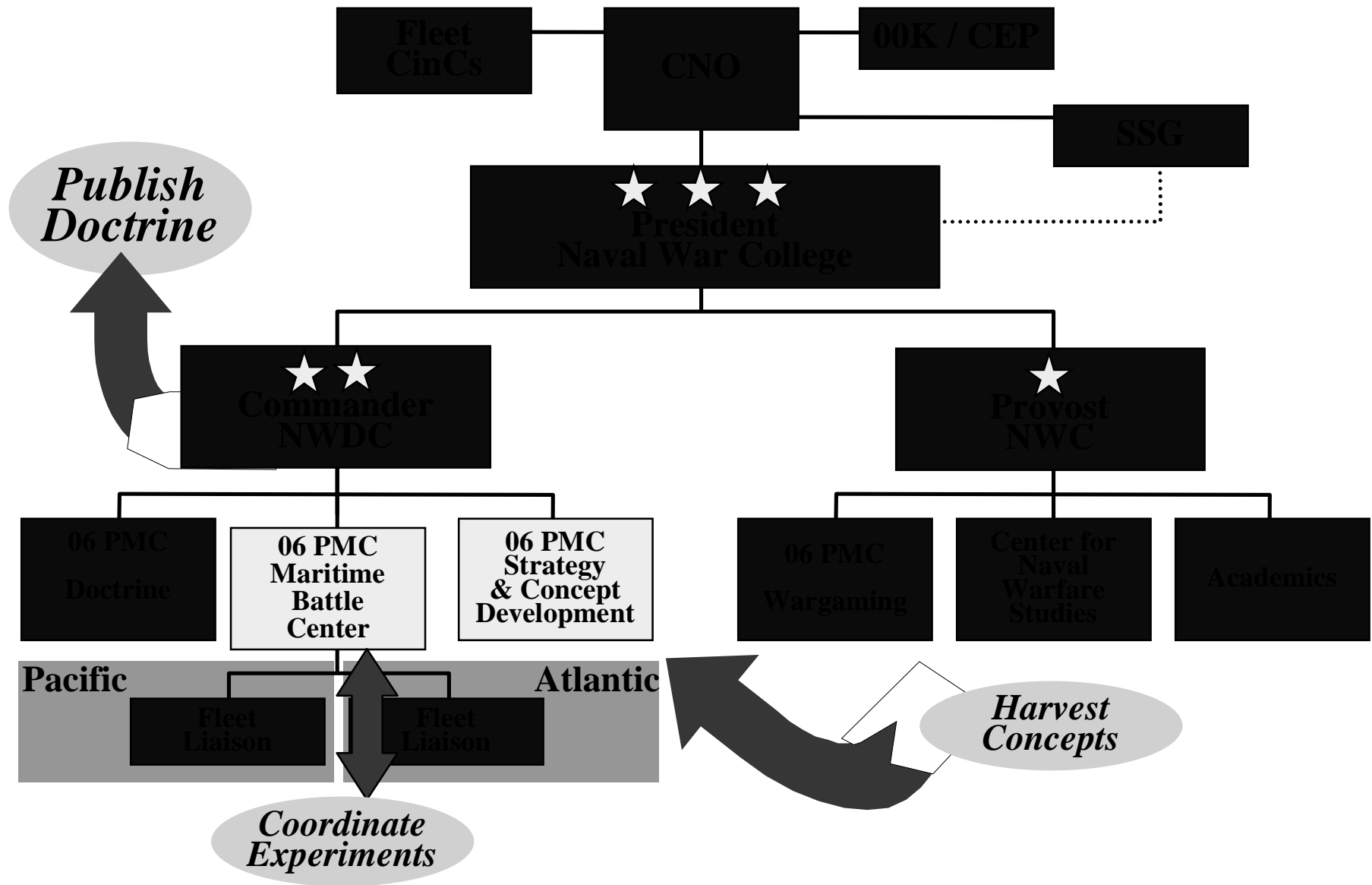
Distributed Collaborative Planning in RIMPAC '96

Experimental Fleet Projects

*“The military advantage goes to the nation who has the best cycle time to capture technologies that are commercially available, incorporate them in weapon systems, and get them **FIELDDED FIRST.**”*

Honorable Paul G. Kaminski

Navy Warfare Development Command



RIMPAC 96

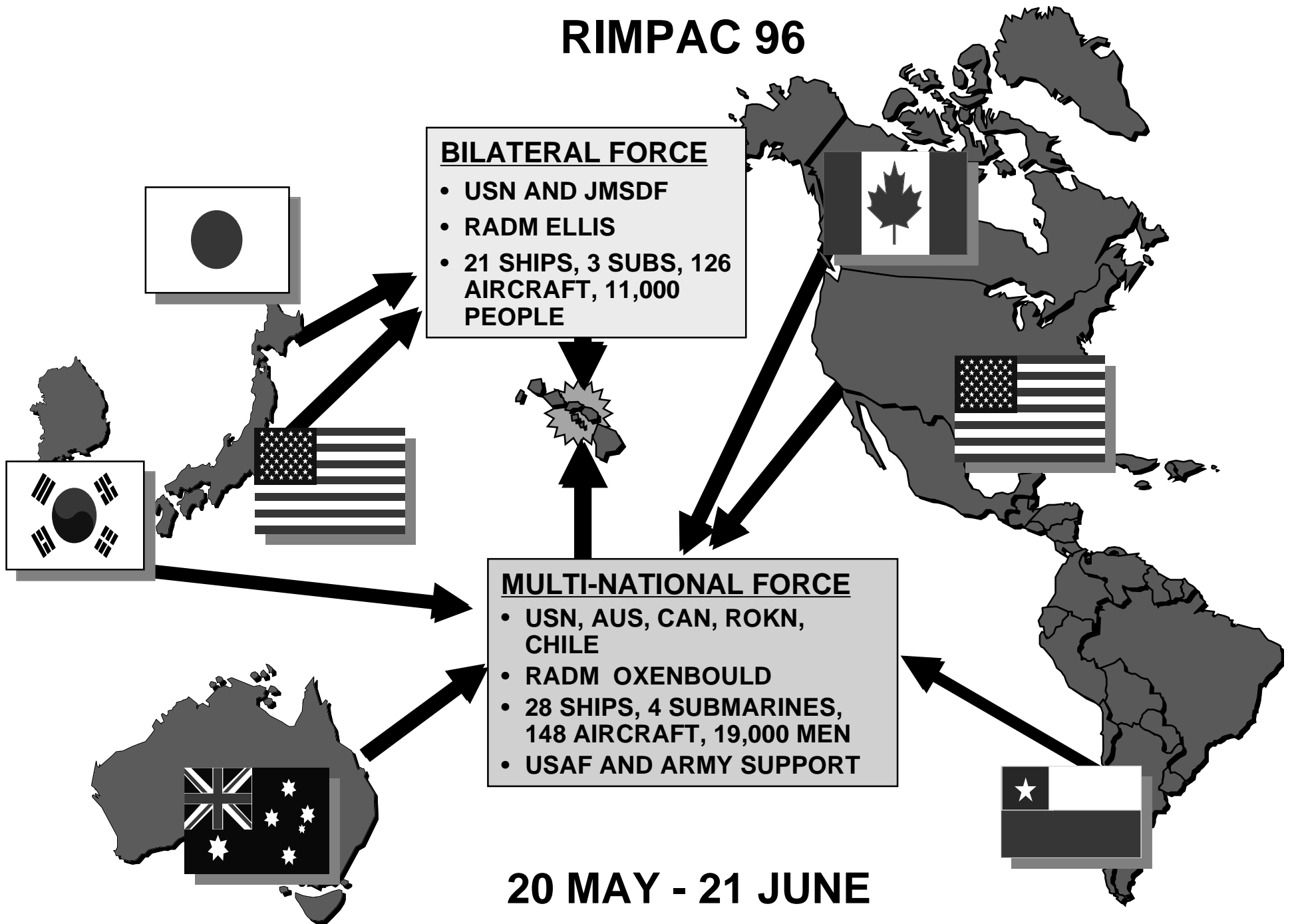
BILATERAL FORCE

- USN AND JMSDF
- RADM ELLIS
- 21 SHIPS, 3 SUBS, 126 AIRCRAFT, 11,000 PEOPLE

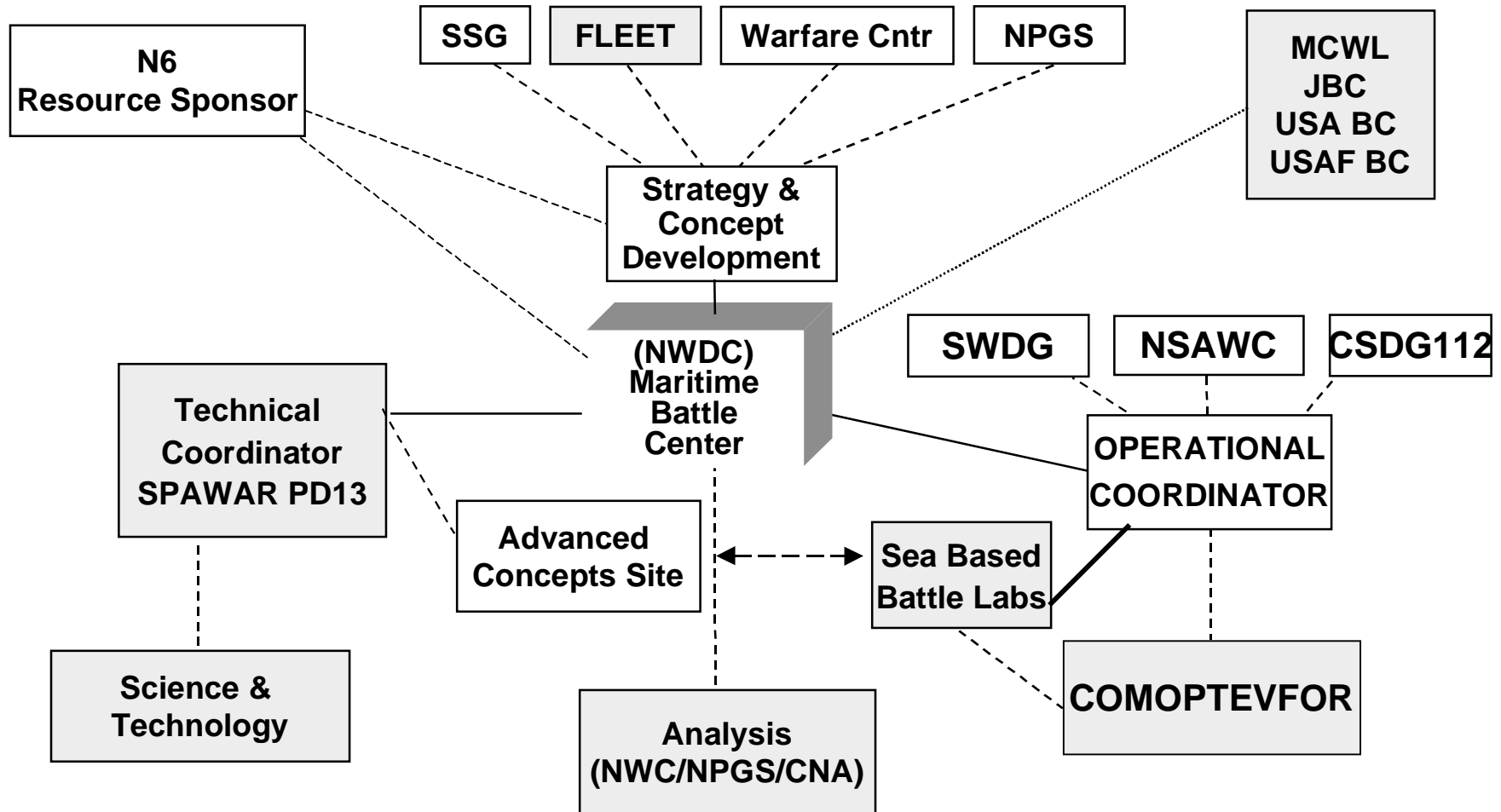
MULTI-NATIONAL FORCE

- USN, AUS, CAN, ROKN, CHILE
- RADM OXENBOULD
- 28 SHIPS, 4 SUBMARINES, 148 AIRCRAFT, 19,000 MEN
- USAF AND ARMY SUPPORT

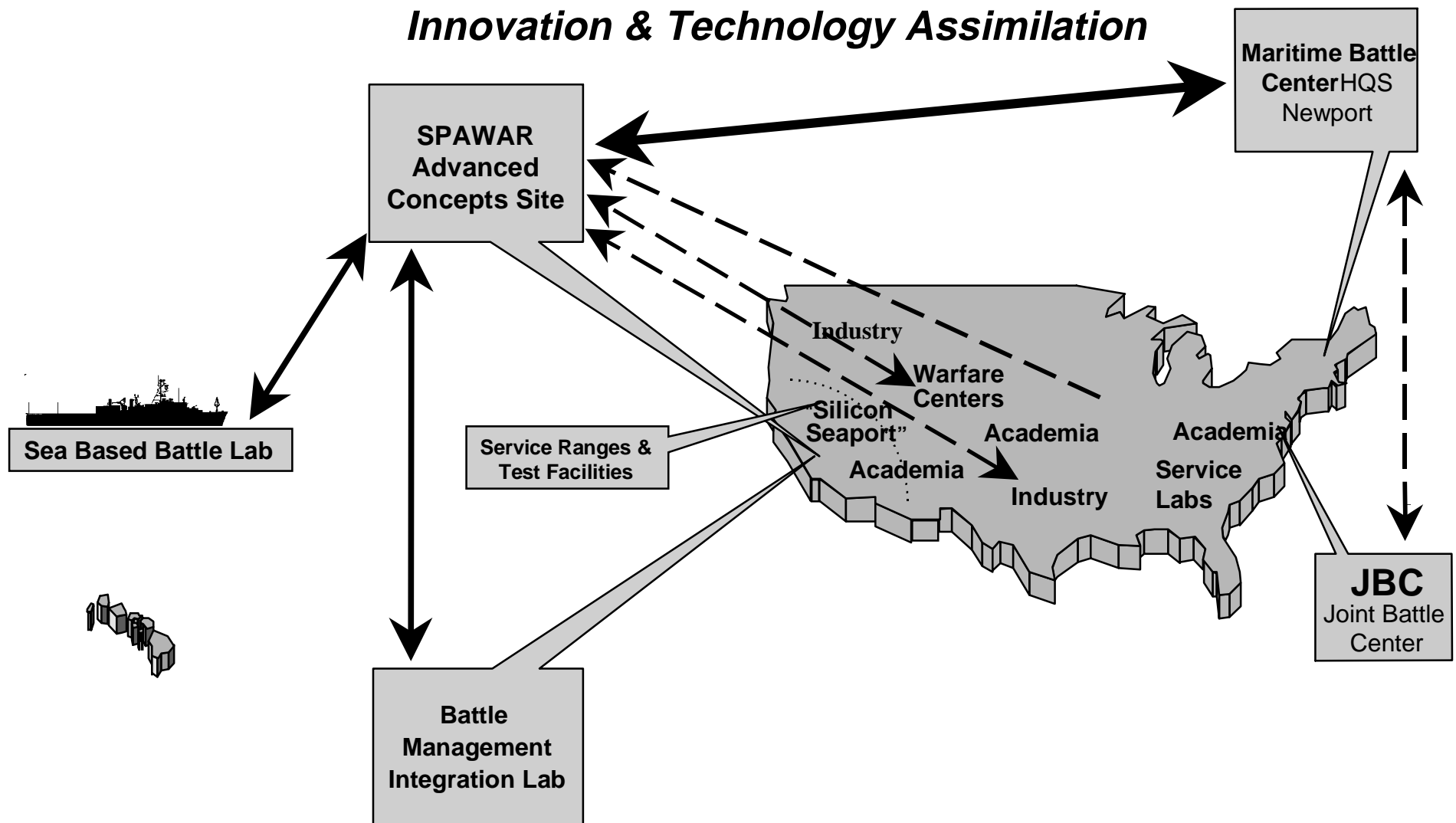
20 MAY - 21 JUNE



SBBL Notional Relationships



LOCATION: the SBBL can Leverage the capabilities of the Nation's Core Facilities



SBBL CAPABILITIES

- Sea Based Battle Lab: Cooperative effort-NAVSEA, Fleet, SPAWAR
 - 3rd Fleet Command Ship (**USS CORONADO**)+Fleet Assets
 - JCC Capabilities; 3 Staffs; Frequently @ Sea; Currently Unique
 - DARPA funded Decision Making Ergonomics
 - SBBL Project Spaces; Accommodations for Technicians
 - Extensive C4I capabilities
 - Core Architecture vs. SBBL Architecture=Temp MODs
 - Training remains C3F primary mission=fleet feedback
 - Director SBBL ADDU as PD 13B=SPAWAR procurement lines
 - We have a vested interest: CJTF & C3F relieves C5F as afloat warfighter
 - Fast track to Fleet
 - Transition, Rework or Trash: Experiment is still a success!
 - Demand for operational experimentation exceeds capacity

COMTHIRDFLT - USS CORONADO - C4I

DATA LINKS

LINK 11/JTIDS/ /DWTS/MDU
SIPRNET/NIPRNET
TADIXS/OTCIXS/BGIXSII/ VIXS
ADSI/LAWS/JTAGS/JSTARS/
JTIDS

C2

GCCS
JMCIS 3.1/23TV
CTAPS HOST/REM
COMPASS
GROUP WARE

INTEL

JWICS
JDISS
JATACS
CUB

SATCOM

SHF SATCOM
CHALLENGE ATHENA
UHF SATCOM
EHF SATCOM (1)/(2)
GMF



completed
planned

MISC

SNAP III
RADIANT MERCURY
MCIXS
#2 PBX & CIC

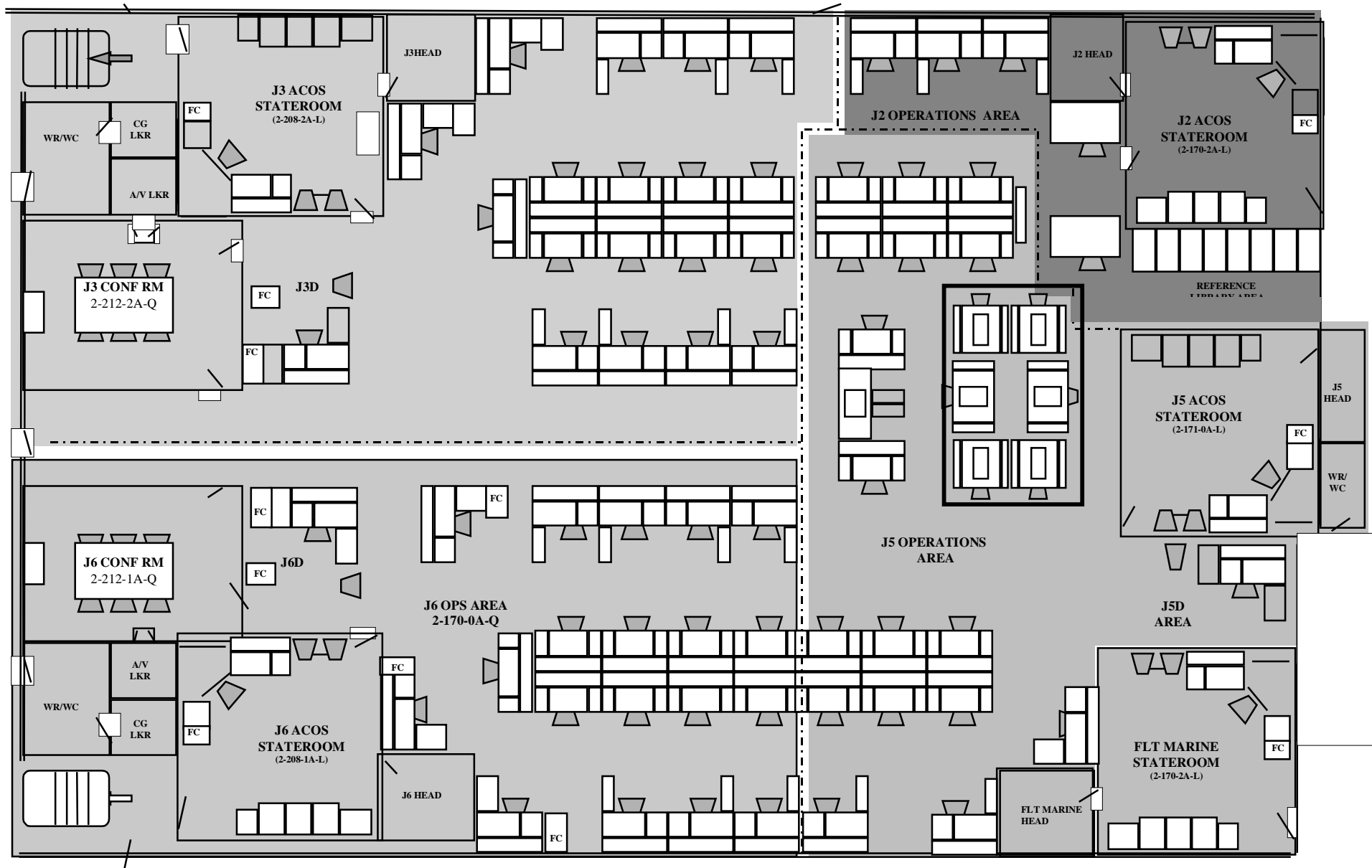
METOC

TESS/NITES
SMQ-11

TACTCOM

NAVMACS II HFRG
SINGARS
SA-2112V(1)(4)
ADNS/ATM
GBS/JBS/DMS

JOINT PLANNING CENTER



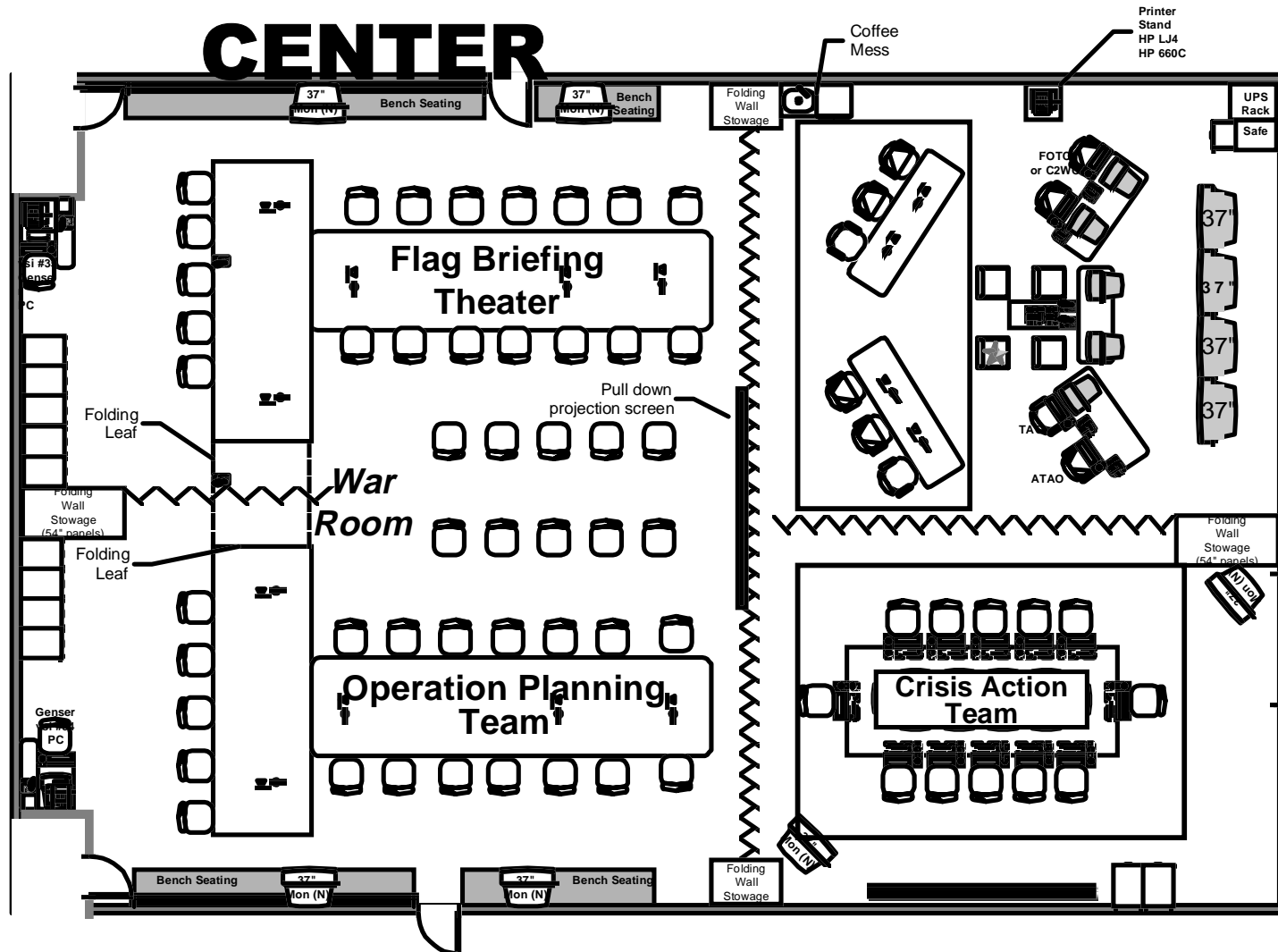
DATA TO INFORMATION

JOINT OPERATIONS CENTER

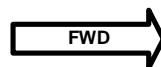
USS Coronado
AGF-11
**JTF
Situation
Room**
(2-218-0-Q)

JMCIS Equipment
-5 HP 712s (N)
-1 ext CD (N)
-5 19" monitors (N)
-4 37" monitors (N)
-1 Laser Jet 4 (N)
-1 HP 660C (N)

Lab
Xircorn
AC Power
In Line 2080 w/AB
Switch



10' 0" 5' 0" 3' 0" 0

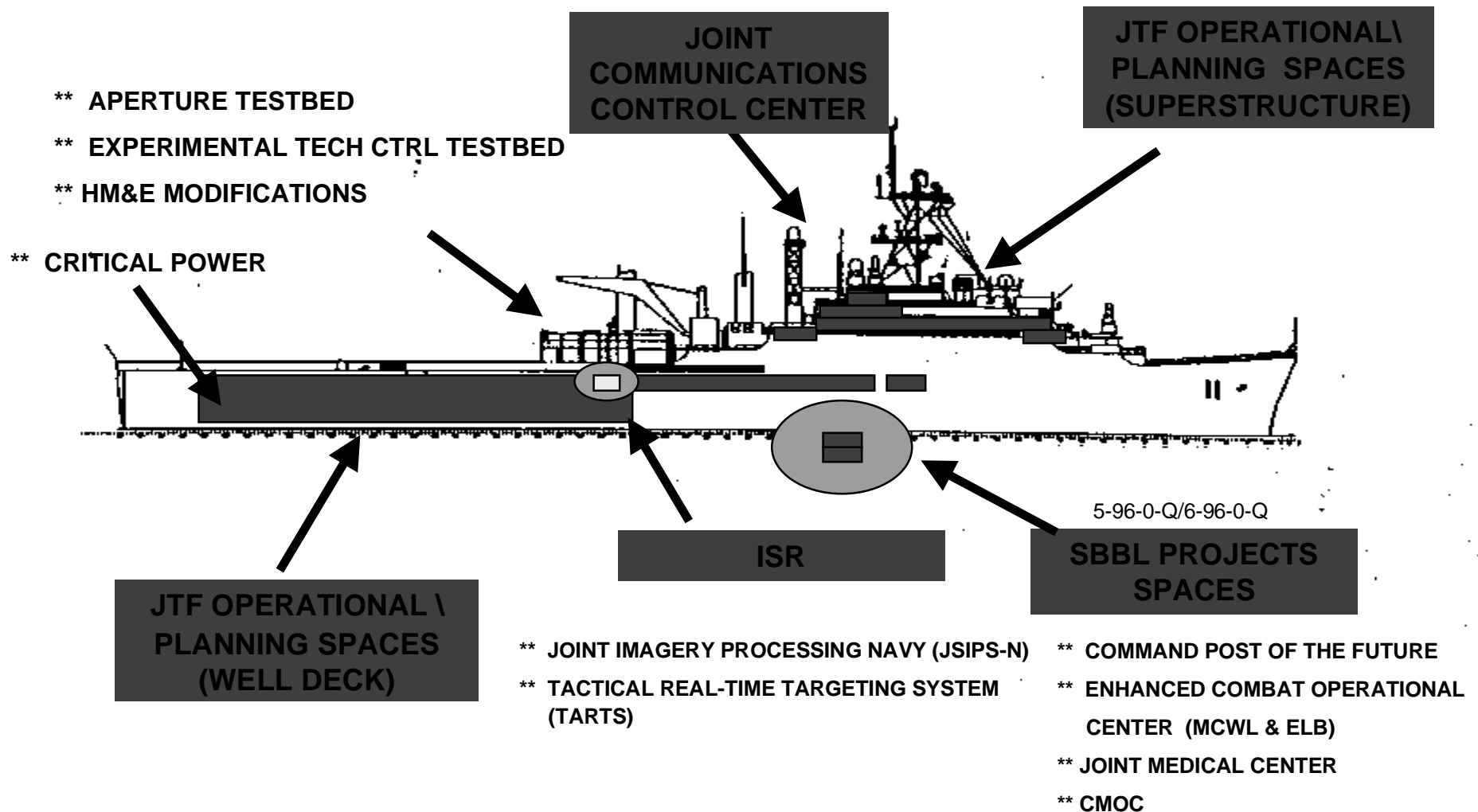


JMCIS Equipment

7/18/96
2:47 PM
Mike Francher
NISE East

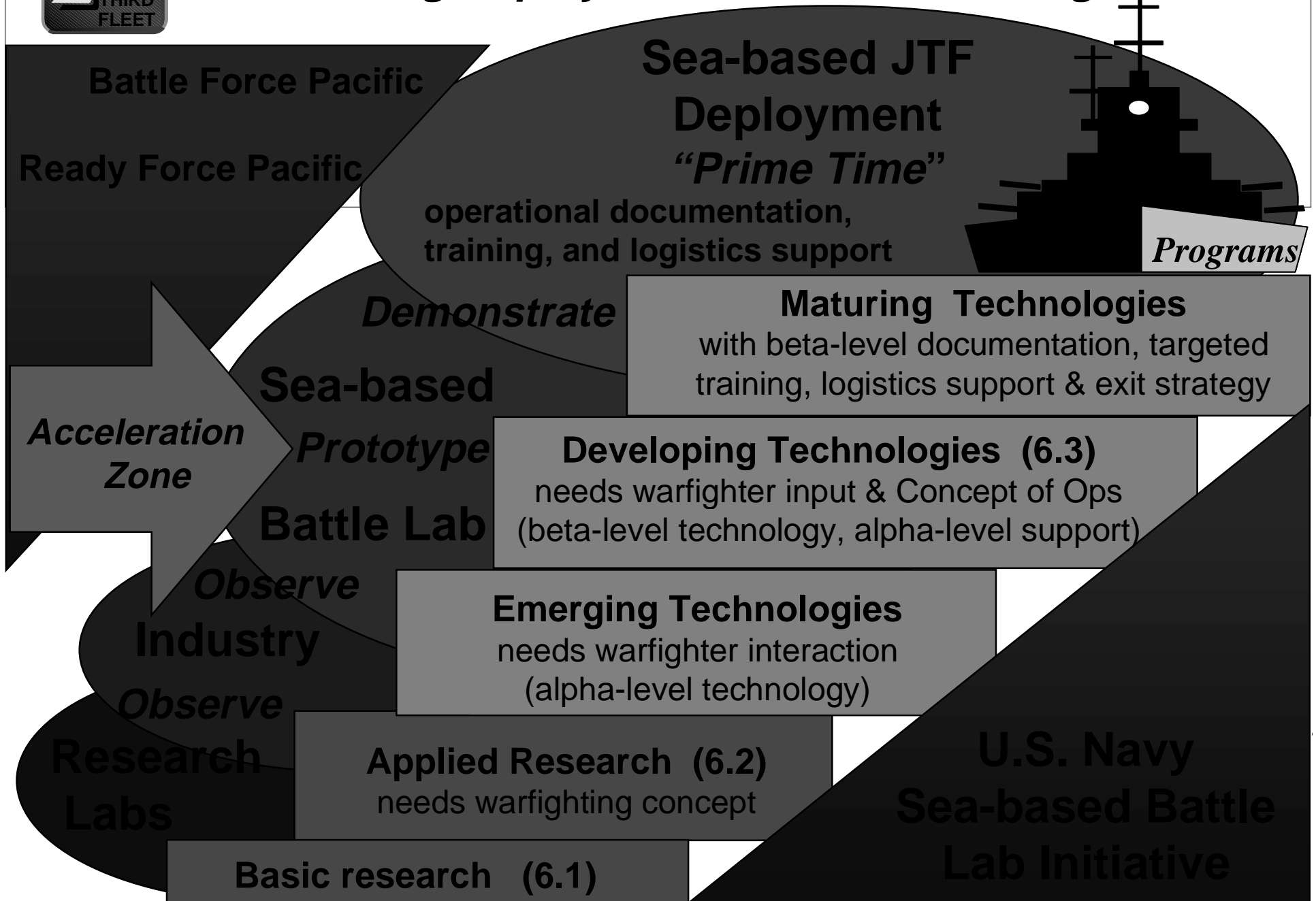
INFORMATION TO DECISIONS: ORDERS OUT

SBBL PROJECT PACES



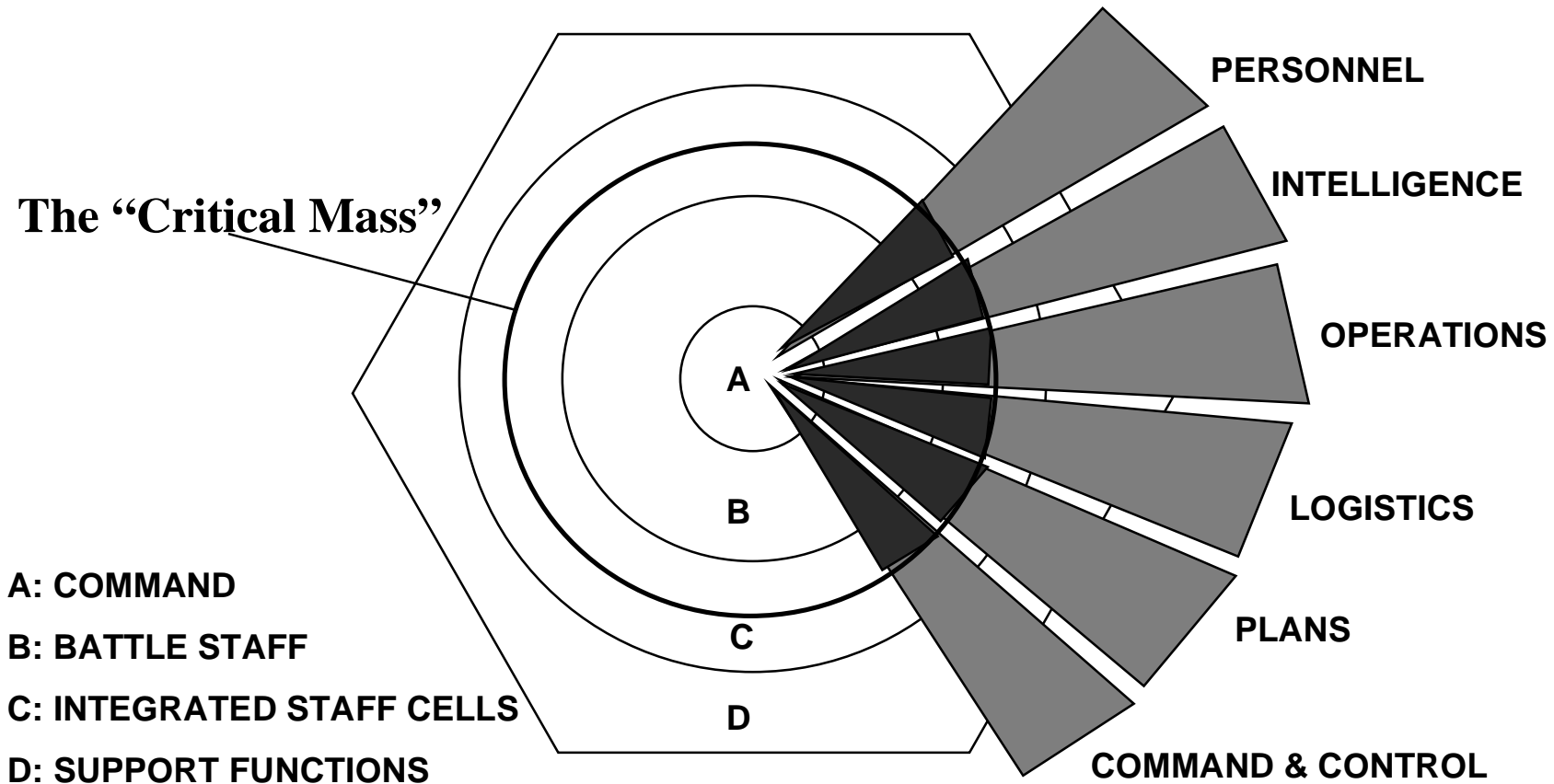


Accelerating Deployment of New Technologies

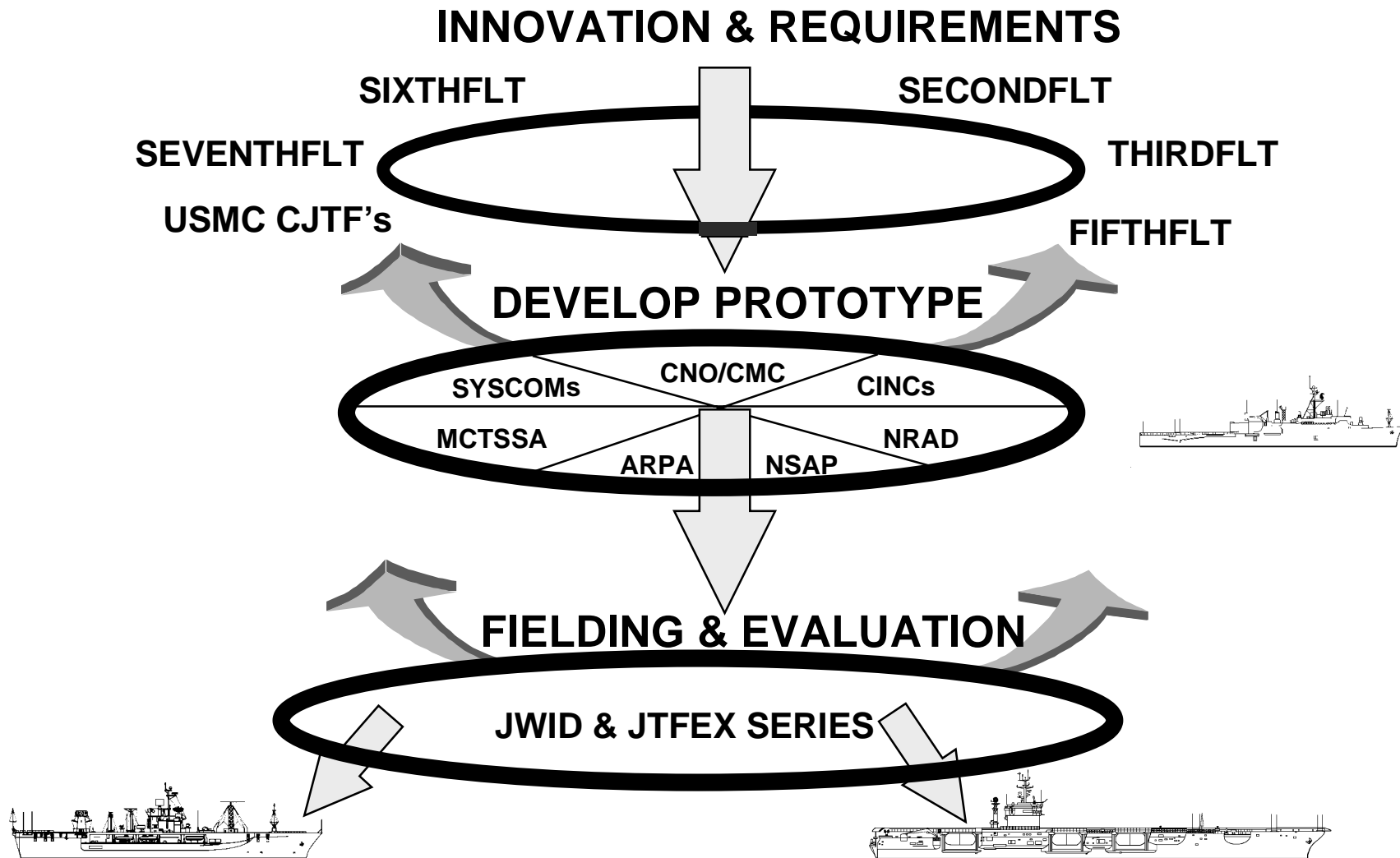


Sea-Based Battle Lab

★ Technology enables innovation in warfighting

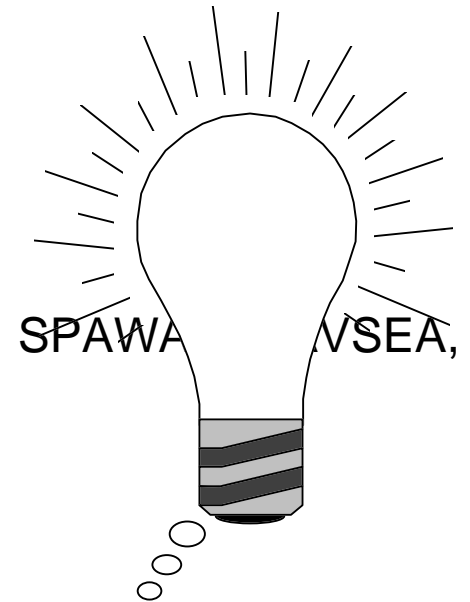


Sea-Based Battle Lab JTF Rapid Prototyping



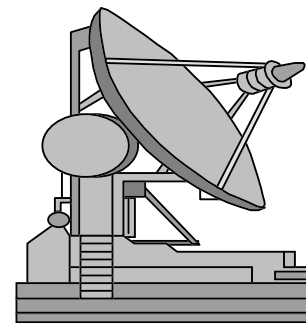
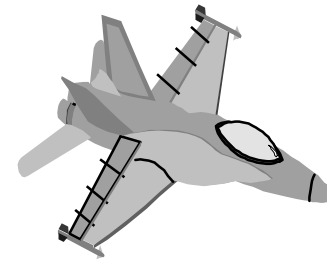
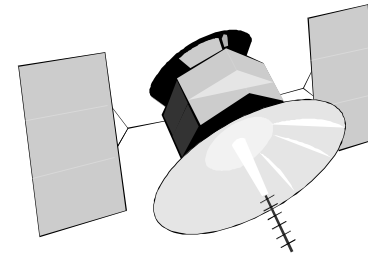
Sea-Based Battle Lab JTF Rapid Prototyping

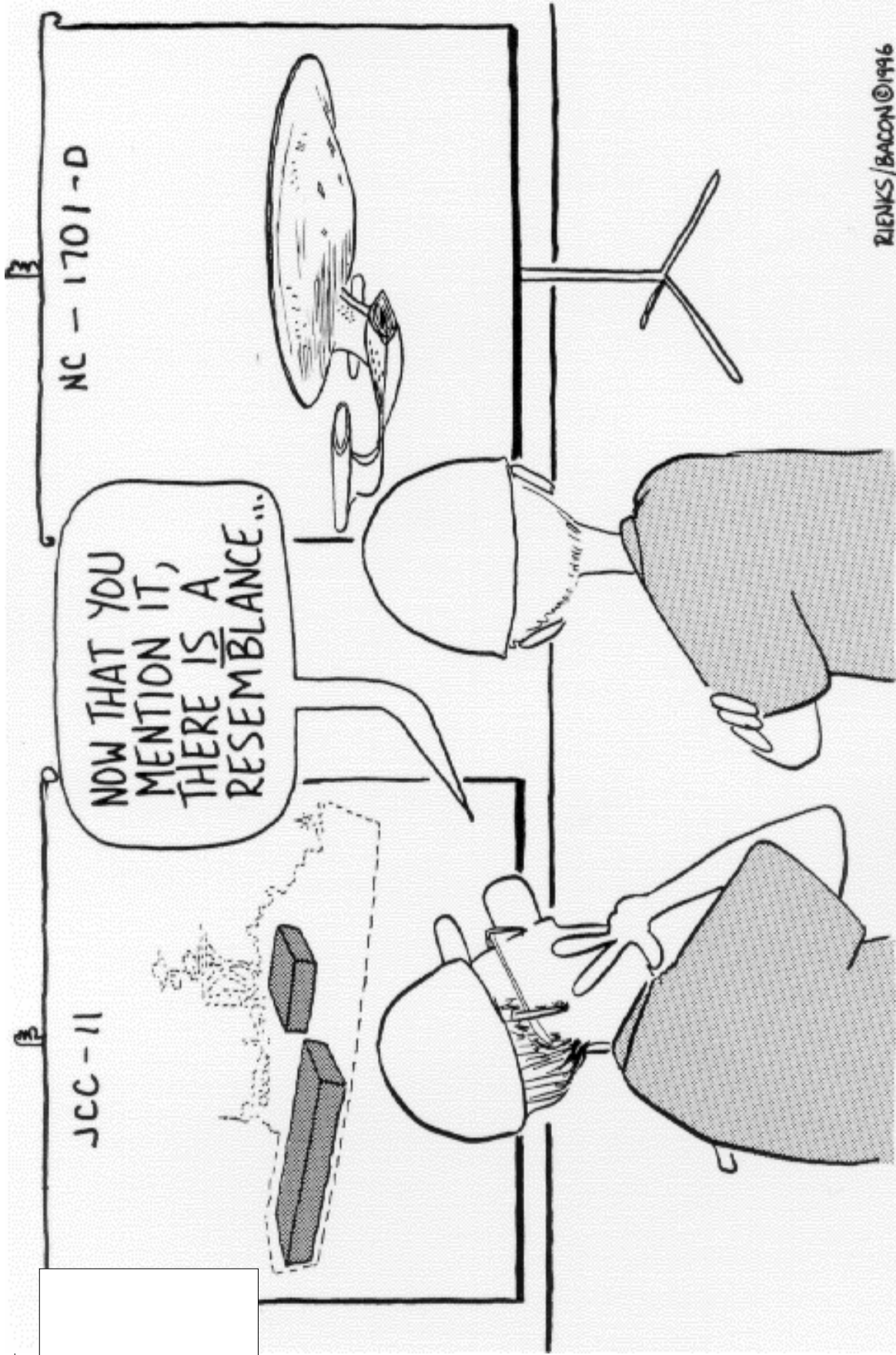
- Identify good ideas
- Use group staff centers of excellence
- Assign projects
- Maintain configuration control
- Monitor success
- Validate and recommend
- Foster Joint Ventures
DARPA, NRaD, ONR, ONI, NAVSECGRU
- Integrate results into group training



SBBL-Project Examples

- **Submarine Mast Detection System**
- **Satellite TADIL-J**
- **Joint Targeting Toolkit**
- **JFACC After Next**
- **TARTS/PST/MERS**
- **ADSI**
- **COMPASS**
- **ECOC**
- **TADMUS**
- **Info Management**
- **Wireless Info Xfer**
- **GCCS-M**
- **HF- HDR-Compression**
- **JWID**





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PROTOTYPE OF THE GALAXY CLASS JOINT TASK FORCE COMMAND + CONTROL SHIP